

Amendments to the Claims:

Kindly amend claims 1-9, 12, 22, 26-30 and 32-34 and delete claims 10-11, as indicated below. This listing of claims is intended to replace all prior versions, and listings, of claims in the application.

1. (currently amended) A composition ~~Particulate composite material~~, comprising:
 - (i) 10 to 80 wt.-% organic binder;
 - (ii) 0.01 to 5 wt.-% polymerization initiator;
 - (iii) 20 to 90 wt.-% particulate composite filler having an average particle size of 20 to 50 μm and containing at most 10 wt.-% particles with a size of $< 10 \mu\text{m}$, each relative to the total mass of the composition.
2. (currently amended) Composition ~~Particulate composite material~~ according to claim 1, wherein the composite filler has ~~further comprising~~ a maximum particle size of 70 μm .
3. (currently amended) Composition ~~Particulate composite material~~ according to claim 1, wherein the composite filler is prepared by curing of a mixture of
 - (a) 10 to 80 wt.-% organic binder;
 - (b) 0.01 to 5 wt.-% polymerization initiator; and
 - (c) 20 to 90 wt.-% inorganic filler,each relative to the total mass of the uncured mixture.
4. (currently amended) Composition ~~Particulate composite material~~ according to claim 3, wherein the inorganic filler comprises quartz, glass ceramic, glass powder or a mixture thereof.
5. (currently amended) Composition ~~Particulate composite material~~ according to claim 4, wherein said glass powder comprises barium glass powder or strontium glass powder.

6. (currently amended) Composition ~~Particulate composite material~~ according to claim 4, wherein said quartz, glass ceramic and/or glass powder has an average particle size of 0.4 to 1.5 μm .

7. (currently amended) Composition ~~Particulate composite material~~ according to claim 3, wherein said composite contains 10 to 50 wt.-% X-ray-opaque filler.

8. (currently amended) Composition ~~Particulate composite material~~ according to claim 7, the composite filler further comprising ytterbium fluoride.

9. (currently amended) Composition ~~Particulate composite material~~ according to claim 3, the composite filler further comprising precipitated mixed oxides.

10-11. (canceled)

12. (currently amended) Composition according to claim 1 [[10]], further comprising an inorganic filler.

13. (previously presented) Composition according to claim 12, wherein said inorganic filler comprises quartz, glass ceramic, glass powder, or a mixture thereof.

14. (previously presented) Composition according to claim 13, wherein said glass powder comprises barium glass powder and/or strontium glass powder.

15. (previously presented) Composition according to claim 13, wherein said quartz, glass ceramic and/or glass powder has an average particle size of 0.4 to 2 μm .

16. (previously presented) Composition according to claim 12, comprising 25 to 70 wt.-% quartz, glass ceramic and/or glass powder.

17. (previously presented) Composition according to claim 12, further comprising an X-ray-opaque filler.

18. (previously presented) Composition according to claim 17, comprising ytterbium fluoride.

19. (previously presented) Composition according to claim 17, comprising 1 to 10 wt.-% X-ray-opaque filler.

20. (previously presented) Composition according to claim 12, further comprising a layered silicate.

21. (previously presented) Composition according to claim 20, comprising 0.05 to 5 wt.-% layered silicate.

22. (currently amended) Composition according to claim 1 [[10]], further comprising precipitated mixed oxide.

23. (previously presented) Composition according to claim 22, comprising SiO₂/ZrO₂ mixed oxide.

24. (previously presented) Composition according to claim 22, wherein said mixed oxide has a particle size of 200 to 300 nm.

25. (previously presented) Composition according to claim 22, comprising 20 to 70 wt.-% mixed oxide.

26. (currently amended) Composition according to claim 1 [[10]], further comprising 0.01 to 2 wt.-% additives.

27. (currently amended) The composition according to claim 1 [[10]], comprising a tooth-filling material, material for inlays or onlays, tooth cement, facing material for crowns and bridges, or material for false teeth.

28. (currently amended) Composition ~~Particulate composite material~~ according to claim 3, wherein the organic binder is 10 to 30 wt.-%, the polymerization initiator is 0.5 to 2 wt.-%, and the inorganic filler is 60 to 88 wt.-%.

29. (currently amended) Composition ~~Particulate composite material~~ according to claim 6, wherein said average particle size is 0.7 to 1.0 μm .

30. (currently amended) Composition ~~Particulate composite material~~ according to claim 7, wherein said composite contains 20 to 30 wt.-% X-ray-opaque filler.

31. (previously presented) Composition according to claim 16, comprising 30 to 50 wt.-% quartz, glass ceramic and/or glass powder.

32. (currently amended) Composition ~~Particulate composite material~~ according to claim 3, wherein the organic binder comprises 10 to 30 wt.-%, relative to the total mass of the uncured mixture.

33. (currently amended) Composition ~~Particulate composite material~~ according to claim 3, wherein the polymerization initiator comprises 0.5 to 2 wt.-%, relative to the total mass of the uncured mixture.

34. (currently amended) Composition ~~Particulate composite material~~ according to claim 3, wherein the inorganic filler comprises 60 to 88 wt.-%, relative to the total mass of the uncured mixture.